

FRX-1 ATEX REPEATER

Professional Analogue ATEX Radio Repeater



Fern Communications, an OEG Offshore company, has established itself as one of the UK's largest manufacturers and suppliers of specialist two-way communication solutions.

Fern Communications has the technical expertise and knowledge of both the Oil & Gas Industry plus renewables industries that enable us to offer our customers a fast, reliable and responsive service.

We have built an extensive hire fleet of ATEX and conventional radios and can service and repair any radio that is currently in use.

The ATEX-certified FRX-1 radio repeater dramatically increases radio coverage in hazardous environments. The FRX-1 eliminates radio "black spots" that wreak havoc with radio signals that interrupt the flow of vital radio communications.

IP67 waterproof portable repeater

Portable 10kg

Eliminates radio black spots

Increases radio coverage

1W power



For more information please contact:
info@ferncom.com www.ferncom.com
Tel: +44 (0)1502 676045

FRX-1 ATEX REPEATER

Technical Specifications

GENERAL

- > Freq. range (FRX-1 U2) 440-470MHz
- > Freq. range (FRX-1 U1) 400-440MHz
- > Freq. range (FRX-1 V2) 146-174MHz
- > Protection rating - IP66
- > Area classification - Zone 1 & 2
- > Channel capacity - 5
- > Channel spacing - 12.5KHz / 20KHz / 25KHz
- > Temperature range -20° C to +50° C
- > Removable battery - Li-ion 5.3 Ah 14.8V

Current drain:

- > Standby - 98mA
- > Transmit / Receive - 610mA
- > Duty cycle (40%) - 20 hours
- > Dimensions - 270mm x 310mm x 185mm
- > Weight - 15kg

TRANSMITTER

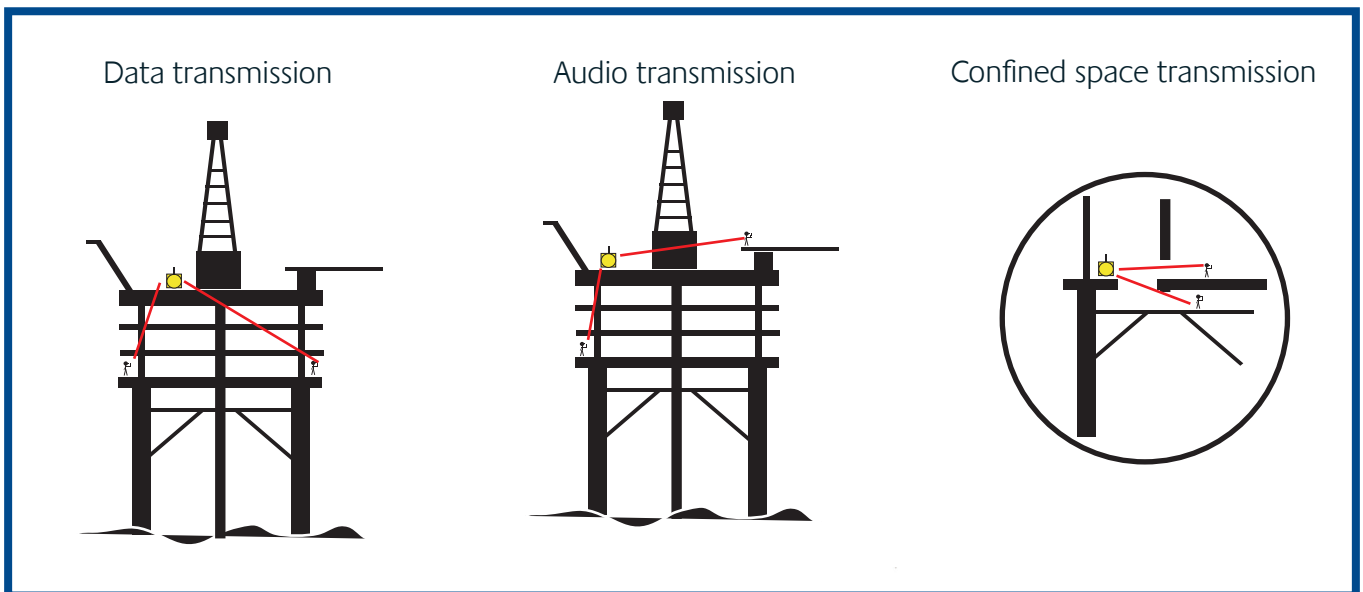
- > RF power output - 11C = 1W (VHF)/(UHF)
11B = 3.5W (VHF) / (UHF)
11A = 4W (VHF) / (UHF)
- > Audio sensitivity - 6-8mVrms @ 60% peek deviation
- > Modulation - G3E

RECEIVER

- > Sensitivity - 12db SINAD
UHF: <0.35 μ V or 116dBm
VHF: <0.28 μ V or 118dBm

SUPPLIED ACCESSORIES

- > Battery charger



II 2 G Ex d IIC T5 Gb
BK113ATEX0022



For more information please contact:
info@ferncom.com www.ferncom.com
Tel: +44 (0)1502 676045